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NOTICE OF ALLOWANCE AND FEE(S) DUE

23373

7590

10/01/2009

SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037 EXAMINER

JAGANNATHAN, MELANIE

ART UNIT PAPER NUMBER

2419

DATE MAILED: 10/01/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/505,214	10/26/2004	Martin Vigoureux	Q82801	2390

TITLE OF INVENTION: METHOD OF DETERMINING A SPECTRAL ROUTE FOR A GIVEN CONNECTION IN AN OPTICAL

TELECOMMUNICATIONS NETWORK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/04/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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SUITE 800	VANIA AVENUE				Cert	tificate	of Mailing or Transn	deposited with the United class mail in an envelope above, or being facsimile te indicated below.
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	01/04/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS	s				
JAGANNATHA	AN, MELANIE	2419	370-235000					
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	tus (from status indicate s SMALL ENTITY statu	,	☐ b. Applicant is no	long	er claiming SMAI	LL ENT	ΓΙΤΥ status. See 37 CF	R 1.27(g)(2).
OTE: The Issue Fee and terest as shown by the r	d Publication Fee (if req records of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other th Office.	nan th	e applicant; a regi	stered a	attorney or agent; or the	e assignee or other party in
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10/505,214 10/26/2004		Martin Vigoureux	Q82801	2390	
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SUGHRUE MIO	N, PLLC	JAGANNATHAN, MELANIE			
2100 PENNSYLVANIA AVENUE, N.W.			ART UNIT	PAPER NUMBER	
SUITE 800 WASHINGTON, I	DC 20037		2419 DATE MAILED: 10/01/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 552 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 552 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/505,214	VIGOUREUX ET AL.	
Notice of Allowability	Examiner	Art Unit	
	MELANIE JAGANNATHAN	2419	
	WELANIE JAGANNAT HAN	2419	
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS	
1. This communication is responsive to <u>8/21/2009</u> .			
2. X The allowed claim(s) is/are <u>1, 4-7, 12, 8, 13-15, 9, 10, 11, 1</u>	16-18, 19 renumbered as 1-17 resp	ectively	
3. Acknowledgment is made of a claim for foreign priority un	nder 35 U.S.C. § 119(a)-(d) or (f).		
a) ☐ All b) ☐ Some* c) ☐ None of the:	3 (, (,)		
1. ☐ Certified copies of the priority documents have	been received.		
2. Certified copies of the priority documents have			
3. Copies of the certified copies of the priority doc	• • • • • • • • • • • • • • • • • • • •		
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submi	ENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which give			
5. \square CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO	-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the 0	Office action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal F	Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary		
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Da 7. ⊠ Examiner's Amend	te	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit		ent of Reasons for Allowance	
of Biological Material	9. ☐ Other	in the second of	
	1		

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DETAILED ACTION

Examiner has considered Amendment after Final mailed 8/21/2009.

Claims 1, 4-19 are pending.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

The Abstract has been amended as follows:

A METHOD OF DETERMINING A SPECTRAL ROUTE FOR A GIVEN CONNECTION IN AN OPTICAL TELECOMMUNICATIONS NETWORK

In order to determine a spectral route for a given connection in an optical telecommunications network (T) between a starting node (ON1) and a destination node

(ON6) of the network, the method consists in: using a conventional routing method to determine one or more candidate spatial routes (Route i, Route 2) connecting the starting node (ON1) to the destination node (ON6), each candidate spatial route comprising a sequence of route segments, each segment connecting two nodes of the network directly and being adapted to support a plurality of spectral routes., sending a route set-up request message from the starting node (ON1) to the destination node (ON6), collecting parameter values in the message as it passes through each node along the candidate spatial route, in particular transparency parameter values

Art Unit: 2419

characterizing the spectral dimension (availability of wavelengths, physical parameters varying as a function of the occupation of the links), and, finally, using an optimization method to process all the parameter values collected in this way to determine a spectral route leading to the selection of a spatial route from among the candidate spatial routes if there are more than one candidate spatial routes.

Amend page 2, lines 18-24 of instant specification to read:

At present, there is no satisfactory method of determining a transparent route of the above kind. One method was proposed to the IETF in Generalized MPLS - Signaling Function Description, chapters 3.4 and 3.5, Expiration date: November 2001, Network Working Group, Internet Draft, URL = http://search.ietf.org/internet-drafts/draft-eitf-mpls-generalized-signaling-07.txt.

Allowable Subject Matter

1. Claims 1, 4-19 are allowed.

The following is an examiner's statement of reasons for allowance: prior art of record does not disclose, in single or in combination, collecting values of parameters characterizing the spectral route segments, which values of the parameters include values of optical transparency parameters, using an optimization method to process the collected parameters values in the destination node upon receipt of the message to select the spectral route and the spatial route that supports the selected spectral route .by selecting the wavelength to be used, or the wavelengths to be used successively, to

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spectrally connect the starting node to the destination node in combination with other limitations of the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MELANIE JAGANNATHAN whose telephone number is (571)272-3163. The examiner can normally be reached on Monday-Friday from 8:00 a.m.-5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Ryman can be reached on 571-272-3152. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Melanie Jagannathan/ Primary Examiner, Art Unit 2419